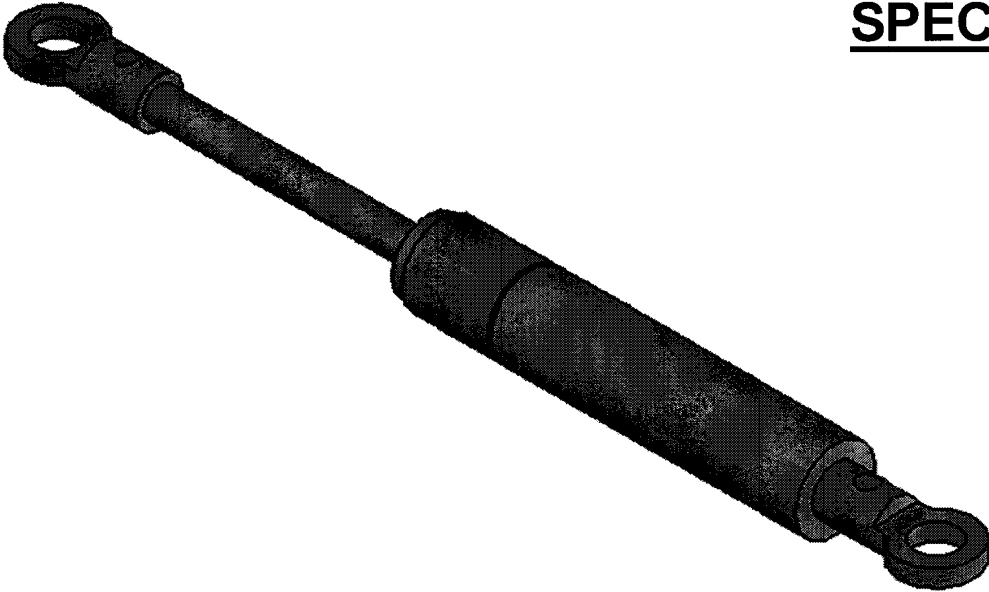
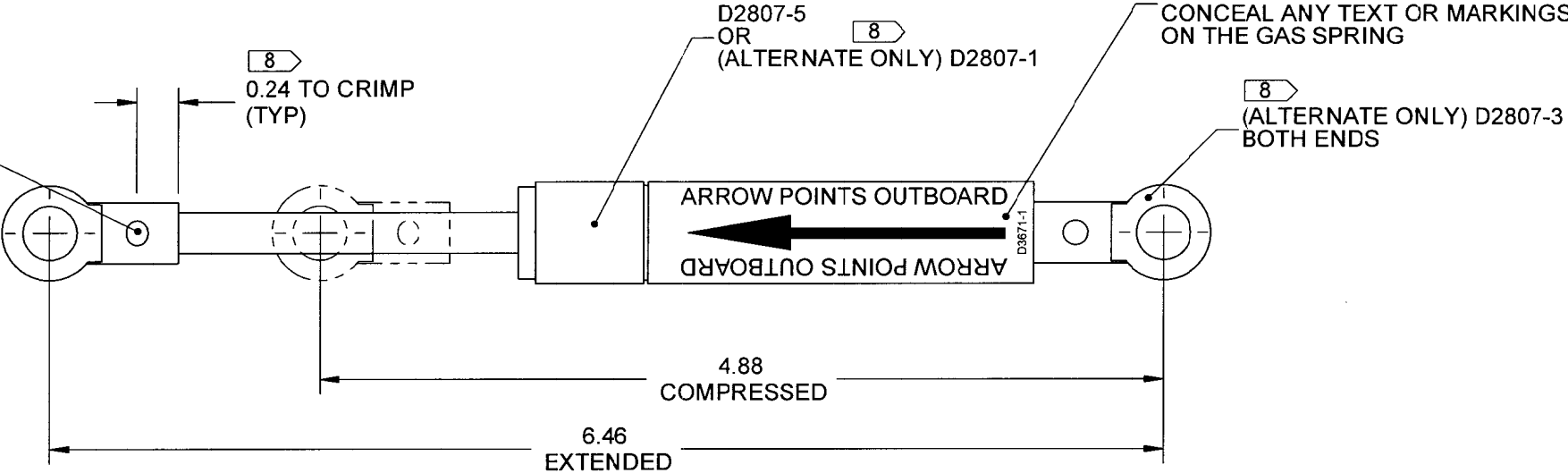


SPECIFICATION CONTROL DRAWING



(ALTERNATE ONLY)  
CRIMP 0.015-0.025 DEEP  
WITH Ø0.375 TOOL AT  
2000psi (REF), TYP TWO  
SIDES PER LUG



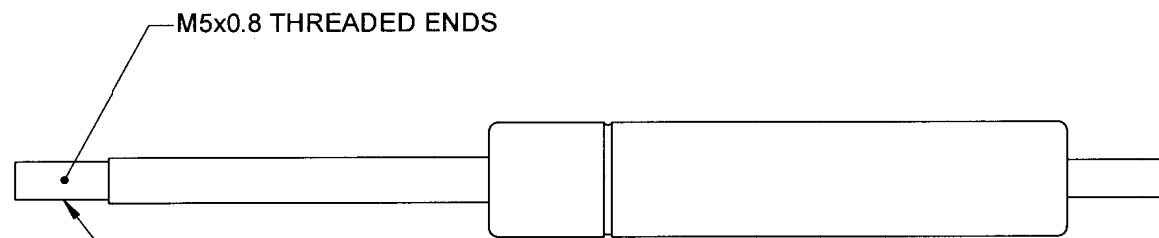
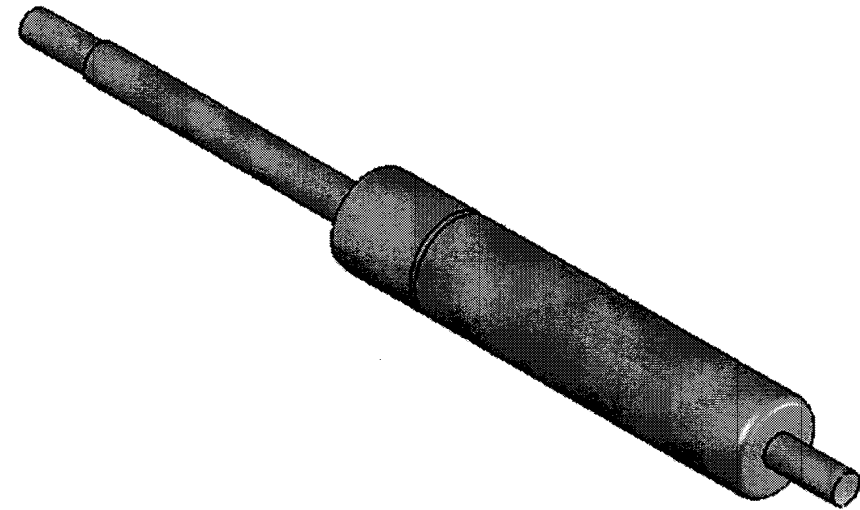
D2807-041 GAS SPRING

D2807-041 GAS SPRING ASSEMBLY PARTS LIST

QTY -041	PART NUMBER	DESCRIPTION
X	D2807-041	GAS SPRING ASSEMBLY
1	D2807-5	GAS SPRING
1	D3671-1	PLACARD

- NOTES:
- 1) MATERIAL: N/A
  - 2) FINISH: N/A
  - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
  - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
  - 5) BREAK SHARP EDGES: N/A
  - 6) IDENTIFICATION: N/A
  - 7) WEIGHT: 0.169 LBS
  - 8) ALTERNATE PART: D2807-5 CAN BE MADE FROM ASSEMBLING D2807-1 (1) AND D2807-3 (2)  
(WEIGHT: 0.176 LBS)

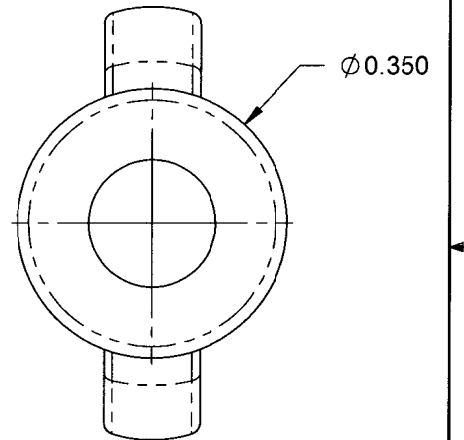
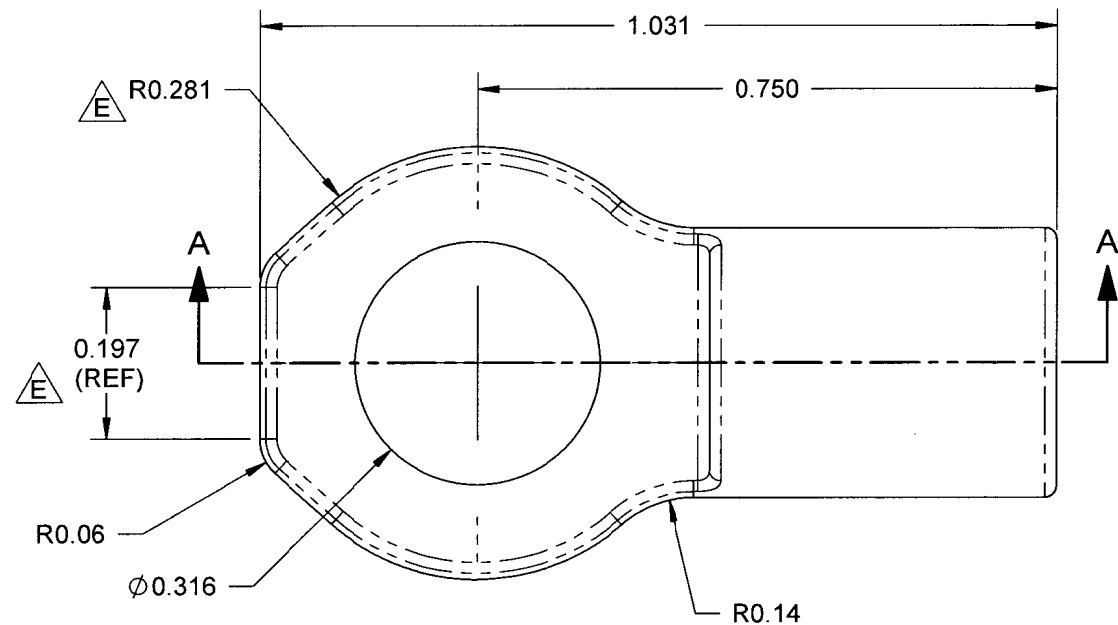
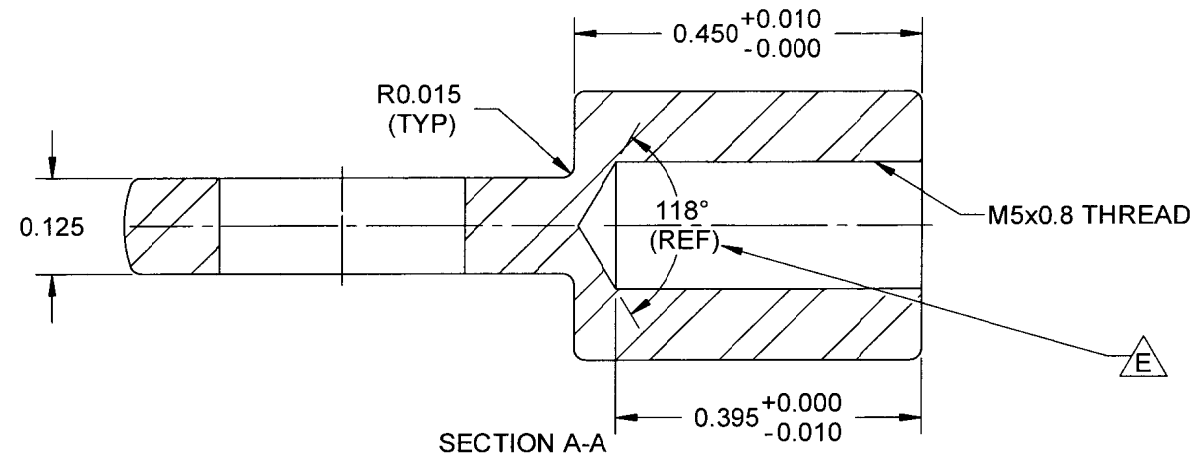
E	ADD D2807-5 GAS SPRING; D2807-1/-3 ASSEMBLY IS AN ALTERNATE TO D2807-5 GAS SPRING; UPDATE DIMENSIONS ON D2807-3	PH	07.12.28
D	ADDED D3671-1 PLACARD ADDED -041 ASSEMBLY UPDATED DWG	DC	07.09.27
C	CHANGE SPRING TO SS, ADD -3 LUG	CP	05.05.25
B	ADD FINISH	CP	05.03.16
A	NEW ISSUE	DS	00.11.03
REV.	DESCRIPTION	BY	DATE
DESIGN	At	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	At		
CHECKED	ie	DRAWING NO.	REV. E
MFG. APPR.	At	D2807	SHEET 1 OF 3
APPROVED	At	TITLE	SCALE
DE APPR.	At	GAS SPRING	NTS
DATE	07.12.28	COPYRIGHT © 2000 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	



M5x0.8 THREADED ENDS

ACCEPTABLE TO TRIM ENDS UP  
TO 0.050 TO MEET D2807-041  
COMPRESSED DIMENSION  
(TYP)

**D2807-1 GAS SPRING**  
SCALE 1:1



**D2807-3 LUG**

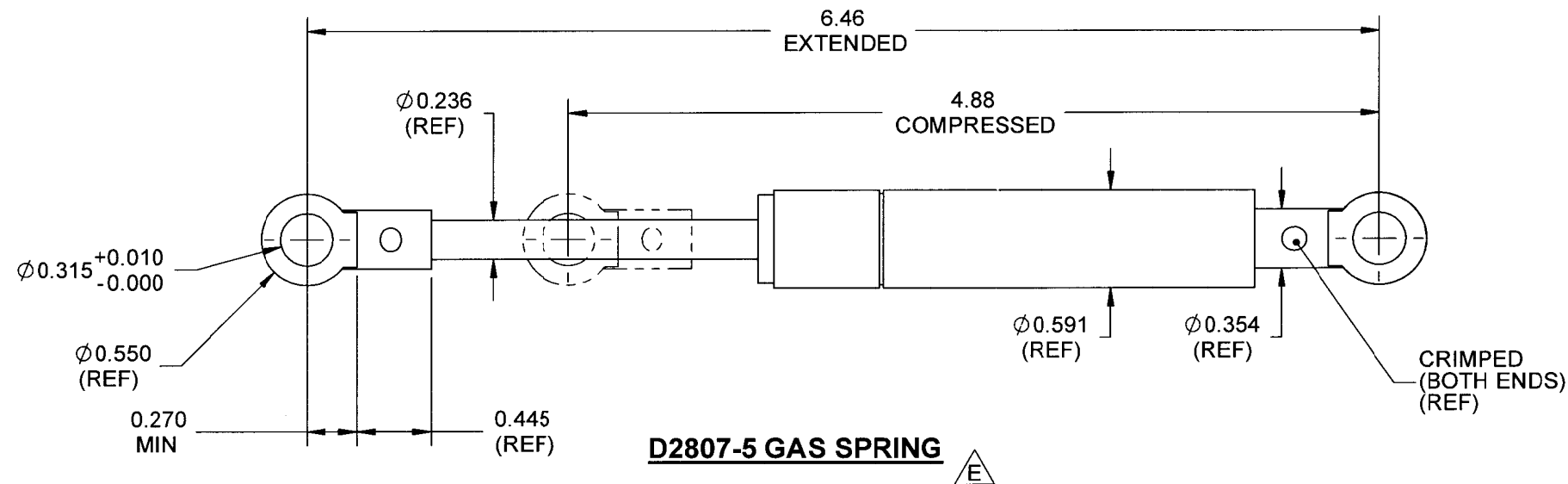
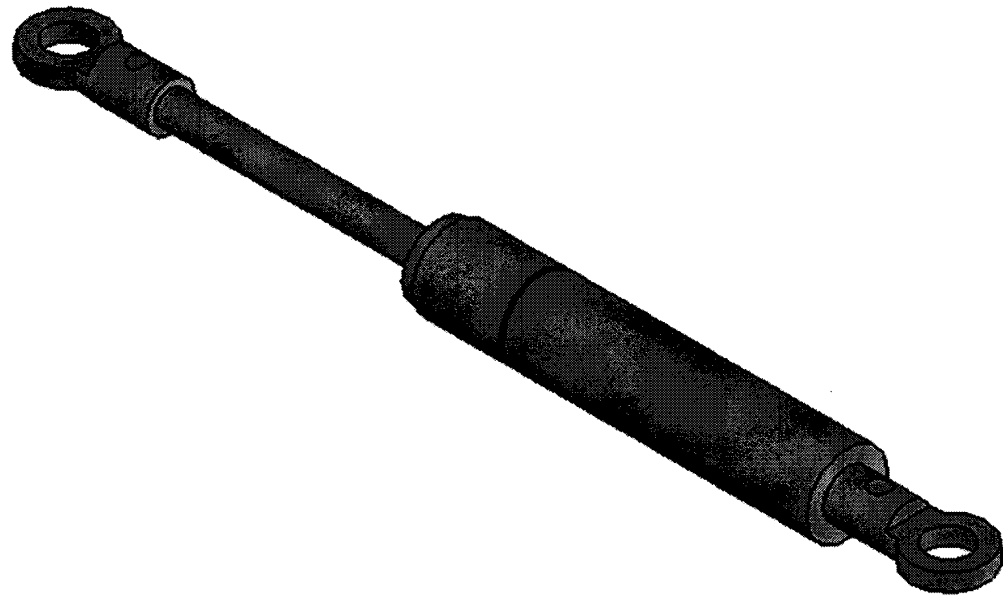
**D2807-1 GAS SPRING NOTES:**

- 1) POSSIBLE SUPPLIER: ARVINMERITOR MOTION CONTROL SYSTEMS, LEICESTER, UK  
(P/N SXF6S6050080S6L-115N)  
(REF: 80MM LONG CYLINDER, 50MM STROKE, 115N LOAD)
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: 0.144 LBS
- 8) SPECIFICATION: SS GAS SPRING  
ACCEPTABLE LOAD RANGE IS 25 LB (115 N) MIN TO 45 LB (200 N) MAX  
M5x0.8 THREADS

**D2807-3 LUG NOTES:**

- 1) MATERIAL: AISI 303 ROUND BAR (REF. DART SPEC. M303R)
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.010 TO 0.015
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: 0.016 LBS

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MFG. APPR.	LE	<b>D2807</b>	SHEET 2 OF 3
APPROVED	LE	TITLE	SCALE
DE APPR.	LE	<b>GAS SPRING</b>	4:1
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**D2807-5 GAS SPRING NOTES:**

- 1) POSSIBLE SUPPLIER: LIFT SUPPORT TECHNOLOGIES, SASKATOON, CANADA  
(P/N 6/15-164/50-115N)
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: 0.169 LBS
- 8) SPECIFICATION: SS GAS SPRING WITH END FITTINGS,  
ACCEPTABLE LOAD RANGE 25 LB (115 N) MIN TO 45 LB (200 N) MAX

DESIGN	PH	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	PH		
CHECKED	KE	DRAWING NO.	REV. E
MFG. APPR.	MP	D2807	SHEET 3 OF 3
APPROVED	MP	TITLE	SCALE
DE APPR.		GAS SPRING	4:1
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